

In the Abstract, please replace the paragraph as follows:

An optical assembly comprising a light source, at least one sample vessel and a detector; ~~the at least one vessel being positioned in a light path or paths created between the source and the detector in manner to enable transmission of light through the vessel wherein the light source is adapted to provide a beam of substantially collimated light;~~ ~~the detector comprises a plurality of detector locations and the vessel comprises a wall and core of relative shape and dimensions adapted to contain a sample for detection and to define at least two spatially separated transmitted light paths, a first wall path which enters and exits the vessel walls only, spatially separated from a second core path which enters and exits the vessel walls and additionally the vessel core;~~ ~~wherein the spatially separated wall and core paths are coupled to individual detector locations on the detector, a module or clip-on device therefor;~~ Methods for detection and uses thereof of the optical assembly are also disclosed.